Index of Claims



Application No.

10/035,969

Examiner

Applicant(s)

**EVANS, EDWIN** 

Art Unit

Patricia L Engle

3612

| X     | Rejected |
|-------|----------|
| <br>= | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected Ν Interference

Appeal О Objected

|          |                |  | Ц  |          |              |              |                   |          | _                                      |                 |
|----------|----------------|--|--|----------|--------------|--------------|-------------------|----------|--|-----------------|
| Cla      | im             | Ι  |  |          |              | Date         |                   | -        |  |                 |
| <u> </u> |                | $\vdash$   |  |          | $\Box$       | - 31         | $\overline{\Box}$ |          |  | $\vdash$        |
| _        | Original       | ω.   | 11/4/03  | 4        | ည            |              |                   |          |  |                 |
| Final    | įĝ             | 4/4/03   | 4  | 4/1/04   | 2/16/05      |              |                   |          |  | l               |
| ш        | ŏ              | 4  | =  | 4        | 7            |              |                   |          |  |                 |
|          | 4              | l-   | l .  | v        | ,            |              |                   | _        |  | Н               |
|          | 2              | X  | X  | X        | X            |              |                   |          |  | Н               |
|          | 2              | x  | x  | x        | Ŷ            | -            |                   |          |  | -               |
|          | 4              | x  | x  | X        | x            |              |                   | -        | -                                      |                 |
|          | 5              | x  | x  | x        | x            |              | -                 | -        | -                                      |                 |
|          | 6              | x  | x  | x        | x            | _            |                   |          |  | Н               |
|          | 7              | X  | X  | X        | x            |              | _                 |          | -                                      | $\vdash$        |
|          | 8              | X  | x  | X        | x            |              | _                 | -        | _                                      | Н               |
|          | 9              | X  | X  | X        | x            |              | -                 | -        | -                                      | Н               |
|          | 10             | X  | X  | X        | Ĥ            | _            | $\vdash$          | -        |  | Н               |
|          | 11             | X  | X  | X        | x            |              | Н                 |          |  | Н               |
|          | 12             | X  | X  | X        | X            |              |                   | H        | $\vdash$                               | H               |
|          |                | ô  | Ô  | ō        | 0            |              | Н                 |          |  | Н               |
|          | 14             | 6  | ō  | 0        | 0            | $\vdash$     |                   | $\vdash$ | $\vdash$                               | H               |
|          | 13<br>14<br>15 | x  | X  | X        | X            | Г            | П                 |          | Г                                      | Н               |
|          | 16             | X  | х  | X        | X            |              | П                 |          | Г                                      | П               |
|          | 17             |  |  | 0        | 0            |              | Г                 | Г        | Г                                      | П               |
|          | 18             |  |  | 0        | 0            |              | Г                 |          |  | П               |
|          | 18<br>19       |  |  |          |              |              | Г                 |          |  | П               |
| -        | 20             |  |  |          | Г            |              |                   |          |  | П               |
|          | 21             | $\Box$   |  |          |              | $\vdash$     |                   |          |  | П               |
|          | 22             |  |  |          |              |              |                   |          |  | П               |
|          | 22<br>23       |  |  |          |              |              |                   |          |  | П               |
|          | 24<br>25       |  |  |          |              |              |                   |          |  |                 |
|          | 25             |  |  |          |              |              |                   |          |  |                 |
|          | 26             |  |  |          |              |              |                   |          |  |                 |
|          | 27             |  |  |          |              |              |                   |          |  |                 |
|          | 28             |  |  |          |              |              |                   |          |  |                 |
|          | 29             |  |  |          |              |              |                   |          |  |                 |
|          | 30             |  |  |          |              |              |                   | L        |  |                 |
|          | 31             | L  | _  |          |              | 匚            |                   | L        | L                                      |                 |
|          | 32             | <u></u>  | L  |          | L            |              | L                 |          | L                                      | Ш               |
|          | 33             | L  | _  |          | <u></u>      | _            | _                 | _        | _                                      | Ш               |
|          | 34             | <u>_</u>   | <u>_</u>   |          | <u>_</u>     | <u> </u>     | <u> </u>          |          | $oldsymbol{oldsymbol{oldsymbol{eta}}}$ | Ш               |
|          | 35             | L.   | <u> </u>   | L        | L            | ļ            | L_                | <u> </u> | <u> </u>                               | Щ               |
| <u> </u> | 36             |  | <u> </u>   |          | _            | <u> </u>     | <u> </u>          | <u> </u> | <u> </u>                               | Ц               |
|          | 37             | <u> </u>   | <u> </u>   | _        | _            | <u> </u>     | <u> </u>          | <u> </u> | <u> </u>                               | Ц               |
|          | 38             | <u> </u>   | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>          | <u> </u> | ┕                                      | Ш               |
| <u> </u> | 39             | <u> </u>   | <u> </u>   | <u> </u> | _            | ļ            | <u> </u>          | ļ        | L                                      | Ш               |
| <u> </u> | 40             | _  | <u> </u>   |          | _            | _            | <u> </u>          | <u> </u> |  | Щ               |
| <u> </u> | 41             | _  | <u> </u>   | _        |              | <u> </u>     | <u> </u>          | <u> </u> | <u> </u>                               | Ш               |
| <u> </u> | 42             | <u> </u>   | <del>                                     </del> | <u> </u> |              | -            | ├                 | ├        | <u> </u>                               | Н               |
| <u> </u> | 43             | ⊢  | <u> </u>   | _        | _            | <u> </u>     | ├-                | -        | <u> </u>                               | Н               |
|          | 44             | ├  | $\vdash$   | <u> </u> | <u> </u>     | <u> </u>     | ⊢                 | <u> </u> | <u> </u>                               | Щ               |
|          | 45             | <del>                                     </del> | <u> </u>   | <u> </u> | ├            | <u> </u>     | Ь—                | <u> </u> | <u> </u>                               | Н               |
| <u> </u> | 46             | $\vdash$   | <u> </u>   | $\vdash$ |              | <del> </del> | ├                 | -        |  | Н               |
| <u> </u> | 47             |  | -  |          | <u> </u>     | ├            | <u> </u>          | $\vdash$ |  | $\vdash$        |
| <u> </u> | 48             | ├  | ├  | $\vdash$ | <del> </del> | <del> </del> | ├                 | <u> </u> | _                                      | $\vdash \vdash$ |
|          | 49             | <del> </del>                                     | ⊢  | $\vdash$ | -            | $\vdash$     | ⊢                 | -        | -                                      | Н               |

| la     | im       | _        | -        |        |          | Date     |              | _        |  |              |   | Cla      | im       |                |        |          | Ī        | Date     |              |          |          |                 |
|--------|----------|----------|----------|--------|----------|----------|--------------|----------|--|--------------|---|----------|----------|----------------|--------|----------|----------|----------|--------------|----------|----------|-----------------|
|        |          |          |          |        |          |          |              |          |  |              |   |          |          |                |        |          |          |          |              |          |          |                 |
|        | Original | 4/4/03   | 11/4/03  | 4/1/04 | 2/16/05  |          |              |          |  |              |   | a        | Original |                |        |          |          |          |              |          |          |                 |
|        | rig      | 44       | 14       | 4/1/   | /16      |          |              |          | İ  |              |   | Final    | rig      |                |        |          |          |          |              |          |          |                 |
|        | 0        | 1        | -        | •      | 7        |          |              |          |  |              |   |          | 0        |                |        |          |          |          |              |          |          |                 |
| ┪      | 1        | Χ        | Х        | Х      | Х        |          |              |          |  | $\vdash$     |   |          | 51       | H              | ヿ      |          | _        |          | $\vdash$     |          |          |                 |
| T      | 2        | Х        | х        | Х      | X        | _        | _            |          |  | $\vdash$     |   |          | 52       | П              | $\neg$ |          | _        |          |              |          |          | П               |
| ┪      |          | Х        | Х        | Х      | Χ        |          |              |          |  | _            |   |          | 53       |                |        |          |          |          |              |          | П        | П               |
| $\neg$ | 3        | Χ        | Х        | Х      | Х        |          |              |          | <u> </u>   |              |   |          | 54       | П              | $\neg$ |          |          |          |              |          |          |                 |
|        | 5        | Х        | х        | X      | Х        |          |              |          | <del>                                     </del> |              |   |          | 55       | П              | $\neg$ |          |          |          |              |          |          | П               |
| ┪      | 6        | Х        | Х        | х      | X        |          |              |          | İ  |              |   |          | 56       |                |        |          |          |          |              |          |          | П               |
|        | 6<br>7   | Х        | Х        | X      | X        |          |              |          | _  |              |   |          | 57       |                |        |          |          |          |              |          |          |                 |
| T      | 8        | Х        | х        | Х      | Х        |          |              |          |  |              |   |          | 58       | П              |        |          |          |          |              |          |          |                 |
| T      | 9        | Х        | Х        | Х      | х        |          |              |          |  |              |   |          | 59       |                |        |          |          |          |              |          |          |                 |
| ╗      | 10       | Х        | Х        | Х      |          |          |              |          |  |              |   |          | 60       |                |        |          |          |          |              |          |          |                 |
|        | 11       | Х        | Х        | Х      | X        |          |              |          |  |              |   |          | 61       |                |        |          |          |          |              |          |          | П               |
|        | 12       | Х        | Х        | Х      | Х        |          |              |          |  |              |   |          | 62       |                |        |          |          |          |              |          |          |                 |
|        | 13       | 0        | 0        | 0      | 0        |          |              |          |  |              |   |          | 63       | П              |        |          |          |          |              |          |          |                 |
|        | 14       | 0        | 0        | 0      | 0        |          |              |          |  |              |   |          | 64       |                |        |          |          |          |              |          |          |                 |
|        | 15       | Х        | Х        | Х      | Х        |          |              |          |  |              |   |          | 65       | П              |        |          |          |          |              |          |          |                 |
|        | 16       | Х        | Х        | Х      | X        |          |              |          |  |              |   |          | 66       | П              |        |          |          |          |              |          |          |                 |
|        | 17       |          |          | 0      | 0        |          |              |          |  |              |   |          | 67       |                |        |          |          |          |              |          |          | П               |
|        | 18       |          |          | 0      | 0        |          |              |          |  |              | 1 |          | 68       | П              |        |          |          |          |              |          |          | П               |
|        | 19       |          |          |        |          |          |              |          |  |              | ) |          | 69       |                |        |          |          |          |              |          |          | П               |
| $\neg$ | 20       |          |          |        |          | Г        |              |          |  |              | 1 |          | 70       | П              |        |          |          |          |              |          |          | П               |
|        | 21       |          |          |        |          |          |              |          |  |              | 1 |          | 71       |                |        |          |          | Г        |              | Г        |          | П               |
|        | 22       |          |          |        |          |          |              |          |  |              | ] |          | 72       |                |        |          |          |          |              |          |          | $\Box$          |
|        | 23       |          |          |        |          |          |              |          |  |              | Ì |          | 73       |                |        |          |          |          |              |          |          |                 |
|        | 24       |          |          |        |          |          |              |          |  |              | ] |          | 74       |                |        |          |          |          |              |          |          |                 |
|        | 25       |          |          |        |          |          |              |          | L  |              | ] |          | 75       |                |        |          |          |          |              |          |          |                 |
|        | 26       |          |          |        | L        |          | L            |          |  |              |   |          | 76       |                |        |          |          |          | L            | L        |          |                 |
|        | 27       |          |          |        |          |          |              |          |  |              |   |          | 77       | Ш              |        |          |          |          |              |          |          |                 |
|        | 28       |          |          |        |          |          |              |          |  |              |   |          | 78       | Ш              |        |          |          |          |              |          |          |                 |
|        | 29       |          | $\Box$   |        | L.       |          |              |          | 乚  | L            |   | L        | 79       |                |        |          |          |          | <u> </u>     |          |          | Ш               |
|        | 30       |          |          |        |          |          |              | L        | L  | _            |   |          | 80       | Ш              |        |          |          |          |              | <u> </u> |          | Ш               |
|        | 31       |          |          |        |          | 匚        | <u> </u>     | _        |  | _            |   |          | 81       |                |        |          | _        | 匚        | <u>_</u>     | <u> </u> |          |                 |
| _      | 32       |          |          |        |          |          | L            |          |  |              |   |          | 82       | Ш              |        |          |          |          | _            | _        |          | Ш               |
| _      | 33       |          | L        |        |          | _        |              |          | L  | L            |   |          | 83       | Ш              |        |          |          |          | _            | <u> </u> |          | Ш               |
|        | 34       |          | L_       |        |          |          | <u> </u>     |          | L  | L            |   |          | 84       |                |        |          |          | <u> </u> | _            |          |          | Ш               |
| _      | 35       |          | _        |        | L        | ļ        | L-           |          | <u> </u>   | _            |   |          | 85       |                |        |          | <u> </u> | <u> </u> |              |          |          | Ш               |
| _      | 36       |          | $\vdash$ |        |          | <u> </u> | <u> </u>     | <u> </u> | _  | <u> </u>     |   |          | 86       | Ш              |        |          | <u> </u> | <u> </u> | <u> </u>     | <u> </u> |          | $\sqcup$        |
| _      | 37       |          |          |        |          | <u> </u> | <u> </u>     | <u> </u> | ऻ_   | <u> </u>     |   |          | 87       | Ш              |        |          | <u> </u> | _        | <u> </u>     | _        |          | Ш               |
| 4      | 38_      | <u> </u> | <u> </u> | -      | <u> </u> | <u> </u> | Ь            | <u> </u> | ⊢  | <u> </u>     |   | <u> </u> | 88       | $\sqcup$       |        | <b> </b> | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | $\sqcup$ | Ш               |
| _      | 39       |          | <u> </u> |        | -        |          | <u> </u>     | ļ        | -  | _            |   |          | 89       | $\vdash$       |        |          | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | $\vdash$ | $\vdash \dashv$ |
| _      | 40       |          |          |        | <u> </u> | _        | <u> </u>     | <u> </u> | 1  | <u> </u>     |   | <u> </u> | 90       | Ш              |        |          | <u> </u> | <u> </u> | <del> </del> | <b> </b> | <b> </b> | $\vdash \vdash$ |
| 4      | 41       |          |          |        | <u> </u> | <u> </u> | ⊨            | <u> </u> | 1  | <u> </u>     |   |          | 91       | $\sqcup$       |        | L        | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | Ш        | Щ               |
| 4      | 42       | <u> </u> | <u> </u> | _      | <u> </u> | -        | ├            | ├        | <u> </u>   | <del> </del> | 1 | <u> </u> | 92       | $\vdash\vdash$ | _      | <u> </u> | <u> </u> | $\vdash$ | <u> </u>     | <u> </u> | Ш        | Щ               |
| 4      | 43       | $\vdash$ | $\vdash$ | _      | <u> </u> | <u> </u> | ├-           | <b> </b> | —  | $\vdash$     | 1 | <u> </u> | 93       | Н              |        | $\vdash$ | <u> </u> | ⊢        | <del> </del> | <u> </u> | $\vdash$ | $\vdash \vdash$ |
| 4      | 44       |          |          | -      | _        | _        | $\vdash$     | <u> </u> | ₩  | ⊢            | ł |          | 94       | Н              |        |          | <u> </u> | -        | $\vdash$     | -        | $\vdash$ | $\vdash \vdash$ |
| _      | 45       |          | $\vdash$ |        | <u> </u> | <u> </u> | Ь—           | <u> </u> | <u> </u>   | <del> </del> | 1 |          | 95       | Н              |        | $\vdash$ | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | $\vdash$ | $\vdash \vdash$ |
| 4      | 46       |          | $\vdash$ |        | <u> </u> | -        | ├            | -        | $\vdash$   | $\vdash$     | ł |          | 96       | Н              |        | $\vdash$ | ├        | $\vdash$ | $\vdash$     |          | <u> </u> | Н               |
| 4      | 47       |          | -        | -      | <u> </u> | $\vdash$ | ⊢            | $\vdash$ |  | -            | ł | <u> </u> | 97       | $\vdash$       |        | $\vdash$ | <u> </u> | ⊢        | $\vdash$     | -        | -        | $\vdash \vdash$ |
| 4      | 48       |          | $\vdash$ | -      | <u> </u> | -        | <del> </del> | $\vdash$ | ╁  | -            | ł | <u> </u> | 98       | $\vdash\vdash$ |        | $\vdash$ | <u> </u> | -        | -            | $\vdash$ | $\vdash$ | Н               |
| 4      | 49<br>50 |          | $\vdash$ | -      | -        | -        | ┢            | -        | -  | <del> </del> | ł | <u> </u> | 99       | Н              |        | H        | ┝        | ├-       | ├            | $\vdash$ | $\vdash$ | $\vdash \vdash$ |
| _      | 50       |          |          | _      | Щ        | L        | L            | L        | Щ  | Щ            | J | Щ_       | 100      | Ш              |        |          | L        |          | <u> </u>     | <u> </u> |          | Ш               |

| Cl    | aim               |          |          |  | [        | Date           | •        |              |          | $\Box$          |  |
|-------|-------------------|----------|----------|--|----------|----------------|----------|--------------|----------|-----------------|--|
| Final | Original          |          |          |  |          |                |          |              |          |                 |  |
|       | 101<br>102        |          |          |  | -        |                |          |              |          |                 |  |
|       | 102               |          |          |  |          |                |          |              |          |                 |  |
|       | 103               |          |          |  |          |                |          |              |          |                 |  |
|       | 104               |          |          |  |          |                |          |              |          |                 |  |
|       | 105               |          |          |  |          |                |          |              |          |                 |  |
|       | 106               |          |          |  |          |                |          |              |          | Ц               |  |
|       | 107               |          |          |  |          |                |          | _            |          | $\dashv$        |  |
|       | 108<br>109        |          |          |  |          |                |          |              |          |                 |  |
|       | 110               |          | —        | -  | _        |                |          |              |          | $\dashv$        |  |
|       | 111               |          |          |  |          |                | _        |              |          | $\dashv$        |  |
| -     | 112               |          |          |  |          |                |          | Т            | _        | H               |  |
|       | 112<br>113        |          |          |  |          |                |          |              |          |                 |  |
|       | 114<br>115        |          |          |  |          |                |          |              |          |                 |  |
|       | 115               |          |          |  |          |                |          |              |          | Ш               |  |
|       | 116               |          |          |  | _        | L              |          | L            |          | Ш               |  |
|       | 117<br>118        |          |          |  |          |                | _        |              |          | _               |  |
|       | 118               |          |          | ļ  |          | _              |          |              | _        |                 |  |
|       | 119               | $\vdash$ | _        |  |          | $\vdash$       | <u> </u> |              | -        | -               |  |
|       | 120<br>121        | -        | _        |  |          | $\vdash$       | $\vdash$ |              | $\vdash$ | Н               |  |
|       | 122               | -        |          | -  |          | -              |          |              | -        | H               |  |
|       | 122<br>123        | Н        |          | _  |          | -              | ┢        | $\vdash$     |          | Н               |  |
|       | 124               |          |          |  |          | $\vdash$       |          |              |          | Н               |  |
|       | 125               |          |          |  |          |                |          |              |          |                 |  |
|       | 126               |          |          |  |          |                |          |              |          |                 |  |
|       | 125<br>126<br>127 |          |          |  |          |                |          |              |          |                 |  |
|       | 128<br>129        |          |          | <u> </u>   |          | _              |          | L_           |          |                 |  |
|       | 129               |          |          | _  | _        | _              | _        | <u> </u>     | <u> </u> | Щ               |  |
|       | 130               |          | _        | _  |          | _              |          | _            | <u> </u> | ļ               |  |
|       | 131<br>132        |          | _        | ┢  | ⊢        | ⊢              | -        | _            | $\vdash$ | _               |  |
|       | 133               |          | _        | -  | _        | ┢              |          | _            | ⊢        | Н               |  |
|       | 134               |          | -        |  | -        | ┢┈             | -        | <del> </del> | -        | Н               |  |
|       | 135               |          |          | -  |          | <del>  -</del> |          | -            | <u> </u> | Н               |  |
|       | 136               |          |          |  |          |                |          |              | Г        |                 |  |
|       | 136<br>137        |          |          |  |          |                |          |              |          |                 |  |
|       | 138               |          |          |  |          | L              |          |              |          |                 |  |
|       | 139               |          | _        |  | <u> </u> |                |          | _            | <u> </u> | Щ               |  |
|       | 140               | _        | <u> </u> |  | <u> </u> | ┡              | ┡        | <u> </u>     | <u> </u> | Н               |  |
| _     | 141               | -        | <u> </u> |  | -        | <u> </u>       | <u> </u> | ├-           | <u> </u> | Н               |  |
|       | 142               | H        | -        | -  | $\vdash$ | -              | ├─       | -            | $\vdash$ | $\vdash \dashv$ |  |
|       | 144               | $\vdash$ | _        | <u> </u>   | ┝        | -              | $\vdash$ | $\vdash$     | $\vdash$ | Н               |  |
|       | 145               | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ |                | $\vdash$ | <del> </del> | $\vdash$ | H               |  |
|       | 146               | -        | $\vdash$ | <del>                                     </del> | $\vdash$ | _              | ┪        |              | _        | H               |  |
|       | 147               |          |          | 1  | Γ        | Г              | Π        | Г            |          | П               |  |
|       | 148               |          |          |  | L        |                |          |              |          |                 |  |
|       | 149               |          |          |  |          |                |          |              |          |                 |  |
|       | 150               | L        |          |  |          |                | L        |              |          | Ш               |  |